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FILE 'HOME' ENTERED AT 09:02:24 ON 20 MAR 2008

=> file pnttext

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'EPFULL' ENTERED AT 09:02:43 ON 20 MAR 2008

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FILE 'RDISCLOSURE' ENTERED AT 09:02:43 ON 20 MAR 2008

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FILE 'USPATFULL' ENTERED AT 09:02:43 ON 20 MAR 2008

CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 09:02:43 ON 20 MAR 2008

CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 09:02:43 ON 20 MAR 2008

CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

=> s polyarylene sulfide# or poly arylene sulfide#

L1 4176 POLYARYLENE SULFIDE# OR POLY ARYLENE SULFIDE#

=> s l1 and dehydration step# and heat?

7 FILES SEARCHED...

L2 120 L1 AND DEHYDRATION STEP# AND HEAT?

=> s l2 and organic amide solvent# and sulfur source

L3 27 L2 AND ORGANIC AMIDE SOLVENT# AND SULFUR SOURCE

=> s l3 and distillation column

L4 5 L3 AND DISTILLATION COLUMN

=> s l4 and reflux?

L5 5 L4 AND REFLUX?

=> s l5 and cool?

L6 5 L5 AND COOL?

=> s l6 and water and hydrogen sulfide#

L7 5 L6 AND WATER AND HYDROGEN SULFIDE#

=> s l7 and dihalo aromatic compound#

L8 4 L7 AND DIHALO AROMATIC COMPOUND#

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=> d 18 1-4

L8 ANSWER 1 OF 4 EPPFULL COPYRIGHT 2008 EPO/FIZ KA on STN

AN 2003:138402 EPPFULL
DUPD 20040915 DUPW 200438

TIEN PROCESS FOR PRODUCING POLYARYLENE SULFIDE.
TIFR PROCEDE DE PRODUCTION DE SULFURE DE POLYARYLENE.

IN SATO, Hiroyuki, Kureha Chemical Ind. Co. Ltd., Nishiki Research Lab.,
16, Ochiai, Nishiki-machi, Iwaki-shi, Fukushima 974-8686, JP;
KAWASAKI, Tatsuya, Kureha Chemical Ind. Co. Ltd., Nishiki Research Lab.,
16, Ochiai, Nishiki-machi, Iwaki-shi, Fukushima 974-8686, JP;
NAKAZAWA, Yasushi, Kureha Chemical Ind. Co. Ltd., Nishiki Plant, 16,
Ochiai, Nishiki-machi, Iwaki-shi, Fukushima 974-8686, JP

PA Kureha Chemical Industry Co., Ltd., (Chemical Industry Co., Ltd.,
Kureha), 9-11, Nihonbashi Horidome-cho 1-chome, Chuo-ku, Tokyo 103-8552,
JP

PAN 4076310
DT Patent
LAF Japanese
LA English
LAP English
TL English; French

PIT WO/1 International application published with search report
PI WO 2004060974 A1 20040722

DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE
SI SK TR
EXTENSION STATES: AL LT LV MK

AI EP 2003-782838 A 20031219
WO 2003-JP16334 A 20031219

PRAI JP 2002-382249 A 20021227

IC.VER 7
ICM C08G075-04

AN 2003:138402 EPPFULL ED 20050928 UP 20070801
DUPD 20070801 DUPW 200731

TIEN PROCESS FOR PRODUCING POLYARYLENE SULFIDE.
TIFR PROCEDE DE PRODUCTION DE SULFURE DE POLYARYLENE.

TIDE VERFAHREN ZUR HERSTELLUNG VON POLYARYLENSULFID.

IN SATO, Hiroyuki, Kureha Chemical Ind. Co. Ltd., Nishiki Research Lab., 16,
Ochiai, Nishiki-machi, Iwaki-shi, Fukushima 974-8686, JP;
KAWASAKI, Tatsuya, Kureha Chemical Ind. Co. Ltd., 9-1, Nihonbashi
Horidomecho 1-chome, Chuo-ku, Tokyo 103-8552, JP;
NAKAZAWA, Yasushi, Kureha Chemical Ind. Co. Ltd., Nishiki Plant, 16,
Ochiai, Nishiki-machi, Iwaki-shi, Fukushima 974-8686, JP

PA Kureha Corporation, 3-3-2, Nihonbashi-Hamacho, Chuo-ku, Tokyo 103-8552,
JP

PAN 7199200

AG Jones, Helen M.M., Gill Jennings & Every LLP Broadgate House 7 Eldon
Street, London EC2M 7LH, GB

AGN 57931
DT Patent
LAF Japanese
LA English
LAP English
TL German; English; French

PIT EP/1 Application published with search report
PI EP 1580212 A1 20050928

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WO 2004060974 20040722
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE
SI SK TR
AI EP 2003-782838 A 20031219
WO 2003-JP16334 A 20031219
PRAI JP 2002-382249 A 20021227
IPCI C08G0075-04 [I,A]
C08G0075-00 [I,C*]

L8 ANSWER 2 OF 4 EPFULL COPYRIGHT 2008 EPO/FIZ KA on STN

AN 1997:7402 EPFULL
DUPD 19970903 DUPW 199736
TIEN Process for producing poly (arylene sulfide
).
TIFR Procède de preparation de polyarylene sulphide.
TIDE Verfahren zur Herstellung von Polyarylensulfiden.
IN Miyahara, Michihisa, 6003 Caddy Circle, Wilmington, NC 28405, US;
Sato, Hiroyuki, 12-6 Kimigatsuka-machi, Onahama, Iwaki-shi,
Fukushima-ken, JP;
Satake, Yoshikatsu, 1-1-15 Nakaoka-machi, Iwaki-shi, Fukushima-ken, JP
PA KUREHA KAGAKU KOGYO KABUSHIKI KAISHA, 1-9-11, Nihonbashi, Horidome-cho,
Chuo-ku Tokyo 103, JP
PAN 269303
AG Jones, Helen Marjorie Meredith, Gill Jennings & Every, Broadgate House,
7 Eldon Street, London EC2M 7LH, GB
AGN 57931
DT Patent
LAF English
LA English
LAP English
TL German; English; French
PIT EPA2 Application published without search report
PI EP 792904 A2 19970903
DS BE DE FR GB IT NL
AI EP 1997-301049 A 19970219
PRAI JP 1996-58316 A 19960221
IC.VER 6
ICM C08G075-02

AN 1997:7402 EPFULL
DUPD 19980415 DUPW 199816
TIEN Process for producing poly (arylene sulfide
).
TIFR Procède de preparation de polyarylene sulphide.
TIDE Verfahren zur Herstellung von Polyarylensulfiden.
IN Miyahara, Michihisa, 6003 Caddy Circle, Wilmington, NC 28405, US;
Sato, Hiroyuki, 12-6 Kimigatsuka-machi, Onahama, Iwaki-shi,
Fukushima-ken, JP;
Satake, Yoshikatsu, 1-1-15 Nakaoka-machi, Iwaki-shi, Fukushima-ken, JP
PA KUREHA KAGAKU KOGYO KABUSHIKI KAISHA, 1-9-11, Nihonbashi, Horidome-cho,
Chuo-ku Tokyo 103, JP
PAN 269303
AG Jones, Helen Marjorie Meredith, Gill Jennings & Every, Broadgate House,
7 Eldon Street, London EC2M 7LH, GB
AGN 57931
DT Patent
LAF English
LA English

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LAP English
TL German; English; French
PIT EPA3 Separate publication of search report
PI EP 792904 A3 19980415
DS BE DE FR GB IT NL
AI EP 1997-301049 A 19970219
PRAI JP 1996-58316 A 19960221
IC.VER 6
ICM C08G075-02

AN 1997:7402 EPFULL UP 20080215
DUPD 20080213 DUPW 200807
TIEN Process for producing poly (arylene sulfide
)
TIFR Procède de preparation de polyarylene sulphide.
TIDE Verfahren zur Herstellung von Polyarylensulfiden.
IN Miyahara, Michihisa, 6003 Caddy Circle, Wilmington, NC 28405, US;
Sato, Hiroyuki, 12-6 Kimigatsuka-machi, Onahama, Iwaki-shi,
Fukushima-ken, JP;
Satake, Yoshikatsu, 1-1-15 Nakaoka-machi, Iwaki-shi, Fukushima-ken, JP
PA KUREHA KAGAKU KOGYO KABUSHIKI KAISHA, 1-9-11, Nihonbashi, Horidome-cho,
Chuo-ku, Tokyo 103-8552, JP
PAN 269303
AG Jones, Helen M.M., Gill Jennings & Every LLP Broadgate House 7 Eldon
Street, London EC2M 7LH, GB
AGN 57931
DT Patent
LAF English
LA English
LAP English
TL German; English; French
PIT EPB1 Granted patent
PI EP 792904 B1 20030423
DS BE DE FR GB IT NL
AI EP 1997-301049 A 19970219
PRAI JP 1996-58316 A 19960221
REP EP 373364 A
JP 2160833 A
US 3783138 A
IPCI C08G0075-02 [I,A]
C08G0075-00 [I,C*]

L8 ANSWER 3 OF 4 USPATFULL on STN
AN 2006:105378 USPATFULL
TI Process for producing polyarylene sulfide
IN Sato, Hiroyuki, Fukushima, JAPAN
Kawasaki, Tatsuya, Tokyo, JAPAN
Nakazawa, Yasushi, Fukushima, JAPAN
PI US 2006089486 A1 20060427
AI US 2003-540836 A1 20031219 (10)
WO 2003-JP16334 20031219
20050623 PCT 371 date
PRAI JP 2002-382249 20021227
DT Utility
FS APPLICATION
LN.CNT 1099
INCL INCLM: 528/381.000
NCL NCLM: 528/381.000
IC IPCI C08G0075-16 [I,A]; C08G0075-00 [I,A]

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IPCR C08G0075-00 [I,C]; C08G0075-16 [I,A]; C08G0075-00 [I,A];
C08G0075-02 [I,A]; C08G0075-04 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 4 OF 4 USPATFULL on STN

AN 1998:147543 USPATFULL

TI Process for producing poly(arylene sulfide
)

IN Miyahara, Michihisa, Wilmington, NC, United States
Sato, Hiroyuki, Fukushima-ken, Japan
Satake, Yoshikatsu, Fukushima-ken, Japan

PA Kureha Kagaku Kogyo K.K., Tokyo, Japan (non-U.S. corporation)

PI US 5840830 19981124

AI US 1997-802343 19970211 (8)

PRAI JP 1996-58316 19960221

DT Utility

FS Granted

LN.CNT 1269

INCL INCLM: 528/388.000

NCL NCLM: 528/388.000

IC [6]

ICM C08G075-14

IPCI C08G0075-14 [ICM,6]; C08G0075-00 [ICM,6,C*]

IPCR C08G0075-00 [I,C*]; C08G0075-02 [I,A]

EXF 528/388

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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